

Ojeen Gammah

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PROFESSIONAL EXPERIENCE

TSAC Engineering

Software Engineer

Jan 2024 - Present

- Integrate ArcGIS Pro workflows with Python scripts to automate spatial data analysis and mapping processes, enhancing the efficiency and accuracy of civil engineering project planning and execution.
- Leverage Python to automate the processing and analysis of large datasets, reducing manual processing time by 40%.
- Implement robust data validation scripts in Python, ensuring high data quality and consistency across all engineering projects.
- Design and deploy custom data reporting tools using Python, enabling real-time data insights and supporting strategic decision-making.
- Develop and manage Azure functions to automate the storage and retrieval of engineering data files, ensuring seamless integration with cloud-based infrastructure for improved data accessibility and security.
- Utilize Python libraries such as Pandas for complex data manipulation tasks, facilitating advanced engineering analyses through automated workflows.
- Collaborate closely with engineering teams to identify data requirements and develop bespoke Python scripts that automate and streamline data collection and analysis processes.
- Continuously monitor and optimize data workflows, employing Python to adapt to changing project needs and data volumes with automated adjustments.

Grade Potential Tutoring

Tutor

Dec 2023 - Mar 2024

- Provide one-on-one tutoring to students ranging from high school to college students in subjects including coding/math/physics.
- Develop customized lesson plans to cater to individual student learning styles and academic needs, ensuring a personalized tutoring experience.
- Track and analyze student progress through regular assessments, adapting teaching strategies to optimize learning outcomes.
- Foster a positive and encouraging learning environment, building students' confidence and motivation in their academic pursuits.
- Utilize a variety of educational resources and technology platforms to supplement teaching and provide interactive learning experiences.

Grossmont College

Computer Lab Technician

Aug 2019 - Feb 2020

- Provided technical support to students and faculty, addressing issues related to computer hardware, software, and network connectivity.
- Assisted in the maintenance and upgrading of computer lab equipment, and managed software installations and updates to ensure all computers were optimally functional and equipped with the latest tools for academic use.
- Collaborated with IT department staff on larger projects and initiatives, contributing to the improvement of campus-wide technology resources.
- Delivered excellent customer service, patiently helping users with varying levels of technical expertise and ensuring their satisfaction with the support provided.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, JavaScript, HTML, CSS, Python, Clojure, SQL, Linux/Unix, ARM Assembly
- **Tools:** Git, GitHub, VSCode, Visual Studio, PowerShell, Bash, Shell, Node.js, Docker, Virtual Machine, IntelliJ, PyCharm
- **Software:** Design, Web Development, Machine Learning, Operating System, Graphics, Computer Security
- **Microsoft 365:** Excel, Visio, OneNote, Teams, Outlook, Planner, PowerPoint, and Word
- **Other:** Agile, Methodologies, CI/CD, REST, Jest, Puppeteer

EDUCATION

University of California San Diego

- Bachelor of Science in Computer Science, 3.7 GPA Graduated: Dec 2023
- Coursework: Algorithms, Data Structures, Operating Systems, Software Engineering, Web Development, Artificial Intelligence, Database Systems, Computer Networks.